

Please provide the following new Abstract of the Disclosure:

In a method for the non-invasive determination of the grade, trade value, market value and the quality of a slaughtered animal carcass; based on optical image processing; the method fulfills the conditions of the pertinent official regulations and acts and is rapid and cost-effective to implement; results data of weight percentages from single joint yields that have been obtained during the cutting tests of a sufficient number of slaughtered carcasses are correlated with the characteristic measured values and parameters determined from the ham and loin regions of both sides of a slaughtered animal carcass, taking into consideration the total weight, in order to obtain relationship data; during the slaughter operation, a simulation calculation is then carried out using the existing relationship data to estimate the single joint yields, taking into consideration the total weight of the two sides of a slaughtered animal carcass and the characteristic measured values and parameters that have been determined specifically in the ham and loin regions for said carcass.